## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

Claim 1. (currently amended) A roll, comprising a polyurethane elastomer formed from a polyurethane mixture, wherein the polyurethane mixture comprises <u>urethane</u> <u>prepolymer</u>, polydiene, tri-functional polyol curative, an additional graft polymer curative having a molecular weight of at least about 800 and comprising <u>at least two hydroxy and/or amino groups</u> diol, polyol, diamine, polyamine or a combination thereof, conductive modifier, hydrolytic stabilizer, and, optionally, antioxidant.

- Claim 2. (cancelled)
- Claim 3. (currently amended) The roll according to claim 2 1, wherein the roll is a developer roll.
- Clam 4. (currently amended) The roll according to claim 2 1, wherein the polydiene is polydiene diol or polydiene prepolymer.
- Claim 5. (currently amended) The roll according to claim 2 1, wherein the urethane prepolymer comprises polycaprolactone ester toluene diisocyanate prepolymer.
- Claim 6. (original) The roll according to claim 4, wherein the polydiene diol comprises polybutadiene diol.
- Claim 7. (currently amended) The roll according to claim 2 1, wherein the additional graft polymer curative comprises a diol.
- Claim 8. (original) The roll according to claim 7, wherein the diol comprises at least one acrylate, silicone, polyether or polyester side chain.
- Claim 9. (currently amended) The roll according to claim 2 1, wherein the conductive modifier is selected from the group consisting of ferric chloride, ferrous chloride, calcium chloride, cobalt hexafluoroacetylacetonate and combinations thereof.

- Claim 10. (currently amended) The roll according to claim 2 1, wherein the conductive modifier comprises ferric chloride.
- Claim 11. (currently amended) The roll according to claim  $2 \underline{1}$ , wherein the hydrolytic stabilizer comprises triisopropanolamine.
- Claim 12. (currently amended) The roll according to claim 2 1, exhibiting a Shore A hardness of less than about 50 according to ASTM D2240-86 and a compression set of less than about 8% according to ASTM D395-89, method B, at a temperature of about 70°C for about 22 hours.
- Claim 13. (original) An image forming device comprising a roll as recited in claim 1.
- Claim 14. (original) The image forming device according to claim 13, wherein the image forming device comprises an electrophotographic printer.
- Claim 15. (currently amended) A developer roll for an image forming device, comprising a polyurethane elastomer formed from a polyurethane mixture, wherein the polyurethane mixture comprises polycaprolactone urethane prepolymer, polybutadiene diol, tri-functional polyol curative, a grafted diol polymer curative having two hydroxy groups and a silicone side chain, conductive modifier comprising ferric chloride, hydrolytic stabilizer comprising triisopropanolamine, and antioxidant comprising 2,6-di-tertiarybutyl-4-methyl-phenol, wherein the developer roll exhibits a Shore A hardness of less than about 50 according to ASTM D2240-86 and a compression set of less than about 5% according to ASTM D395-89, method B, at a temperature of about 70°C for about 22 hours.
- Claim 16. (currently amended) A method of manufacturing a roll, comprising:
- a) casting a polyurethane mixture into a mold, the polyurethane mixture comprising <u>urethane prepolymer</u>, polydiene, tri-functional polyol curative, an additional graft polymer curative having a molecular weight of at least about 800 and comprising <u>at least two hydroxy and/or amino groups diol</u>, polyol, diamine, polyamine or a combination thereof, conductive modifier, hydrolytic stabilizer, and, optionally, antioxidant.
  - b) curing the polyurethane mixture to allow demolding of a resulting roll;
  - c) demolding the roll and, optionally, post-curing the demolded roll;

## Serial No. 10/755,904 Amendment Dated February 28, 2006 Reply to Office Action Dated May 17, 2005

- d) grinding the roll to desired dimensions; and
- e) baking the roll under conditions sufficient to oxidize an outer layer of the roll.
- Claim 17. (cancelled)
- Claim 18. (currently amended) The method according to claim 17 16, wherein the urethane prepolymer comprises polycaprolactone ester toluene diisocyanate prepolymer.
- Claim 19. (currently amended) The method according to claim 17 16, wherein the polydiene is polydiene diol or polydiene prepolymer.
- Claim 20. (original) The method according to claim 19, wherein the polydiene diol comprises polybutadiene diol.
- Claim 21. (currently amended) The method according to claim 17 16, wherein the additional graft polymer curative comprises a diol.
- Claim 22. (original) The method according to claim 21, wherein the diol comprises at least one acrylate, silicone, polyether or polyester side chain.
- Claim 23. (currently amended) The method according to claim 47 16, wherein the conductive modifier is selected from the group consisting of ferric chloride, ferrous chloride, calcium chloride, cobalt hexafluoroacetylacetonate and combinations thereof.
- Claim 24. (original) The method according to claim 23, wherein the conductive modifier comprises ferric chloride.
- Claim 25. (currently amended) The method according to claim 17 16, wherein the hydrolytic stabilizer comprises triisopropanolamine.
- Claim 26. (currently amended) The method according to claim 17 16, wherein the antioxidant comprises 2,6-di-tertiary butyl-4-methyl-phenol.
- Claim 27. (currently amended) The method according to claim 17 16, wherein the roll has a hardness of less than about 50 Shore A according to ASTM D2240-86 and a compression set of less than or about 8% according to ASTM D395-89, method B, at a temperature of about 70°C for about 22 hours.

Serial No. 10/755,904 Amendment Dated February 28, 2006 Reply to Office Action Dated May 17, 2005

- Claim 28. (currently amended) The method according to claim  $\frac{17}{16}$ , wherein the outer layer has a resistivity from about  $5.0 \times 10^9$  ohm-cm to about  $2.0 \times 10^{12}$  ohm-cm.
- Claim 29. (currently amended) A method of manufacturing a roll, comprising:
- a) casting a polyurethane mixture into a mold, the polyurethane mixture comprising polycaprolactone urethane prepolymer, polybutadiene diol, tri-functional polyol curative, a grafted diol polymer curative having two hydroxy groups and a silicone side chain, conductive modifier comprising ferric chloride, hydrolytic stabilizer comprising triisopropanolamine, and antioxidant comprising 2,6-di-tertiarybutyl-4-methyl-phenol, wherein the developer roll exhibits a Shore A hardness of less than about 50 according to ASTM D2240-86 and a compression set of less than about 5% according to ASTM D395-89, method B, at a temperature of about 70°C for about 22 hours.
  - b) curing the polyurethane mixture to allow demolding of a resulting roll;
  - c) demolding the roll and, optionally, post-curing the demolded roll;
  - d) grinding the roll to desired dimensions; and
- e) baking the roll under conditions sufficient to oxidize an outer layer of the roll, wherein the outer layer has a resistivity from about  $5.0 \times 10^9$  ohm-cm to about  $2.0 \times 10^{12}$  ohm-cm.